

1 OF 10

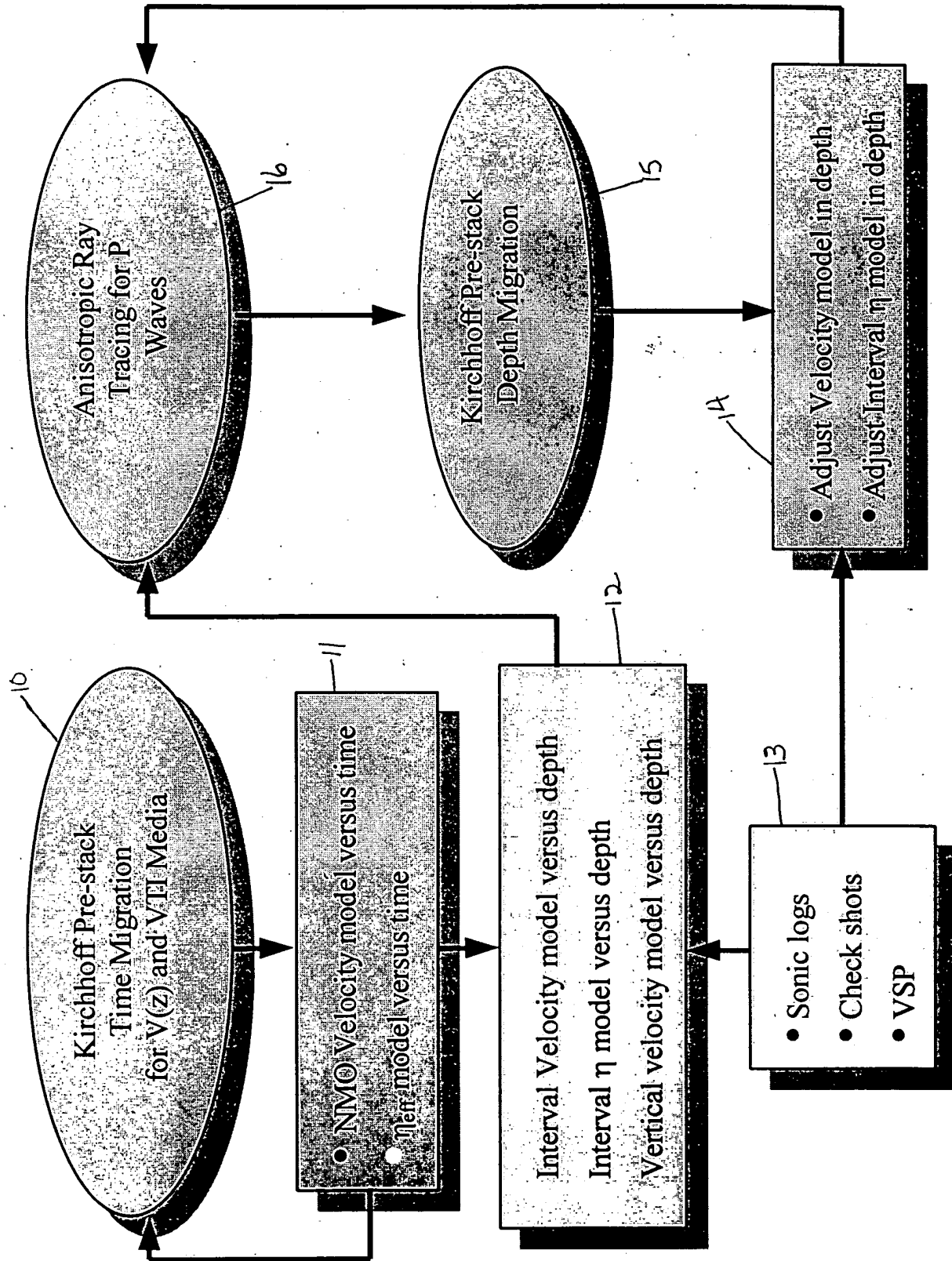


Fig. 1 : (PRIOR ART) Method using Dix equation inversion to obtain interval parameters

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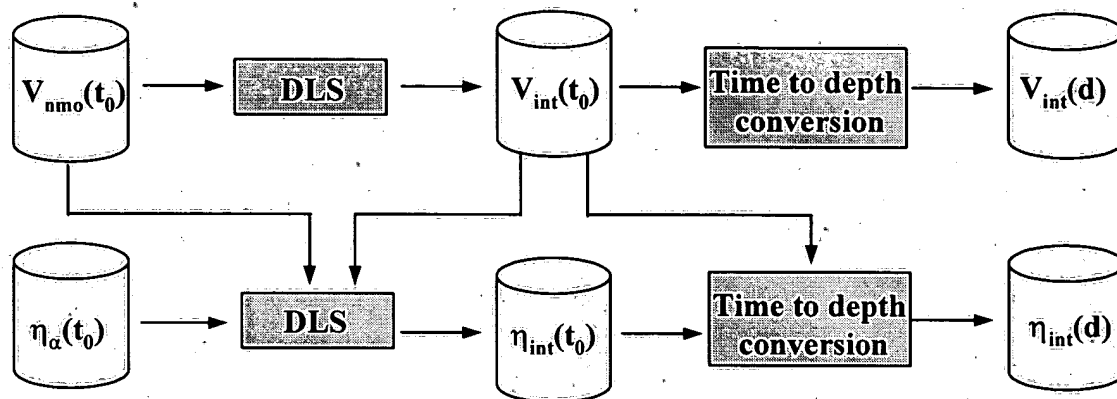


Figure 2: Flow chart of the DLS inversion for interval velocity and anelliptical  $\eta$ .

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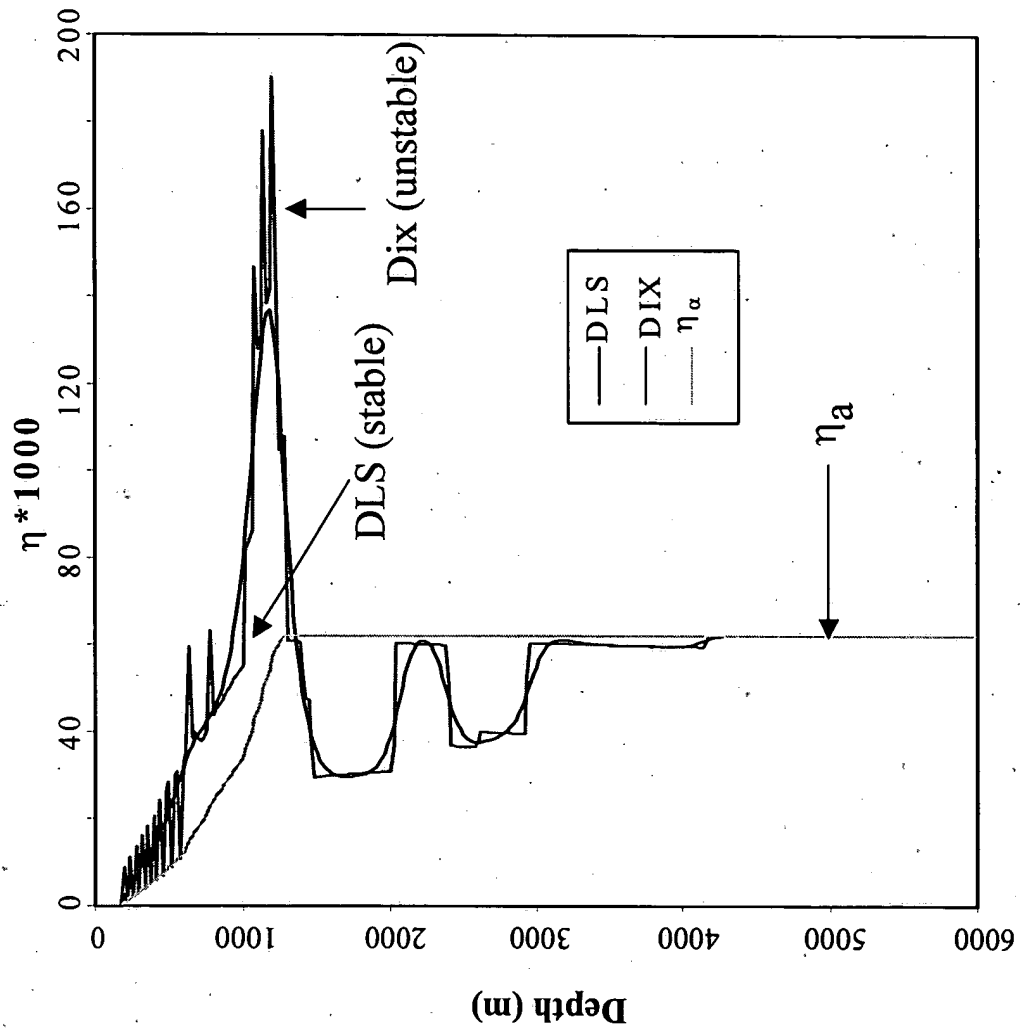
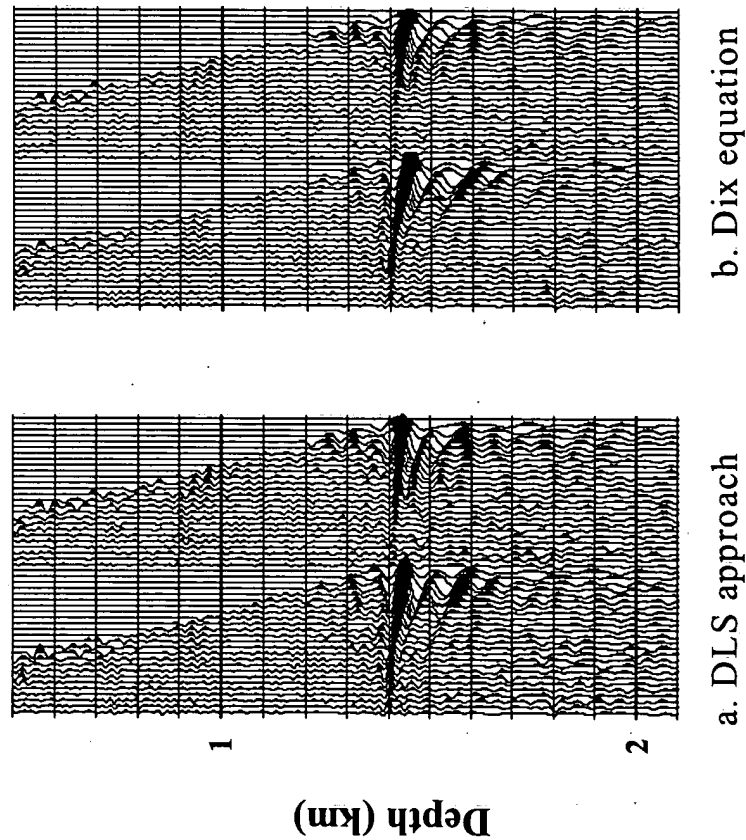


Fig. 3: Interval  $\eta$  obtained with the DLS approach and Dix equation.

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Figures 4a and 4b: Common-image gathers using interval parameters 4a) DLS inversion  
4b) Dix equation inversion

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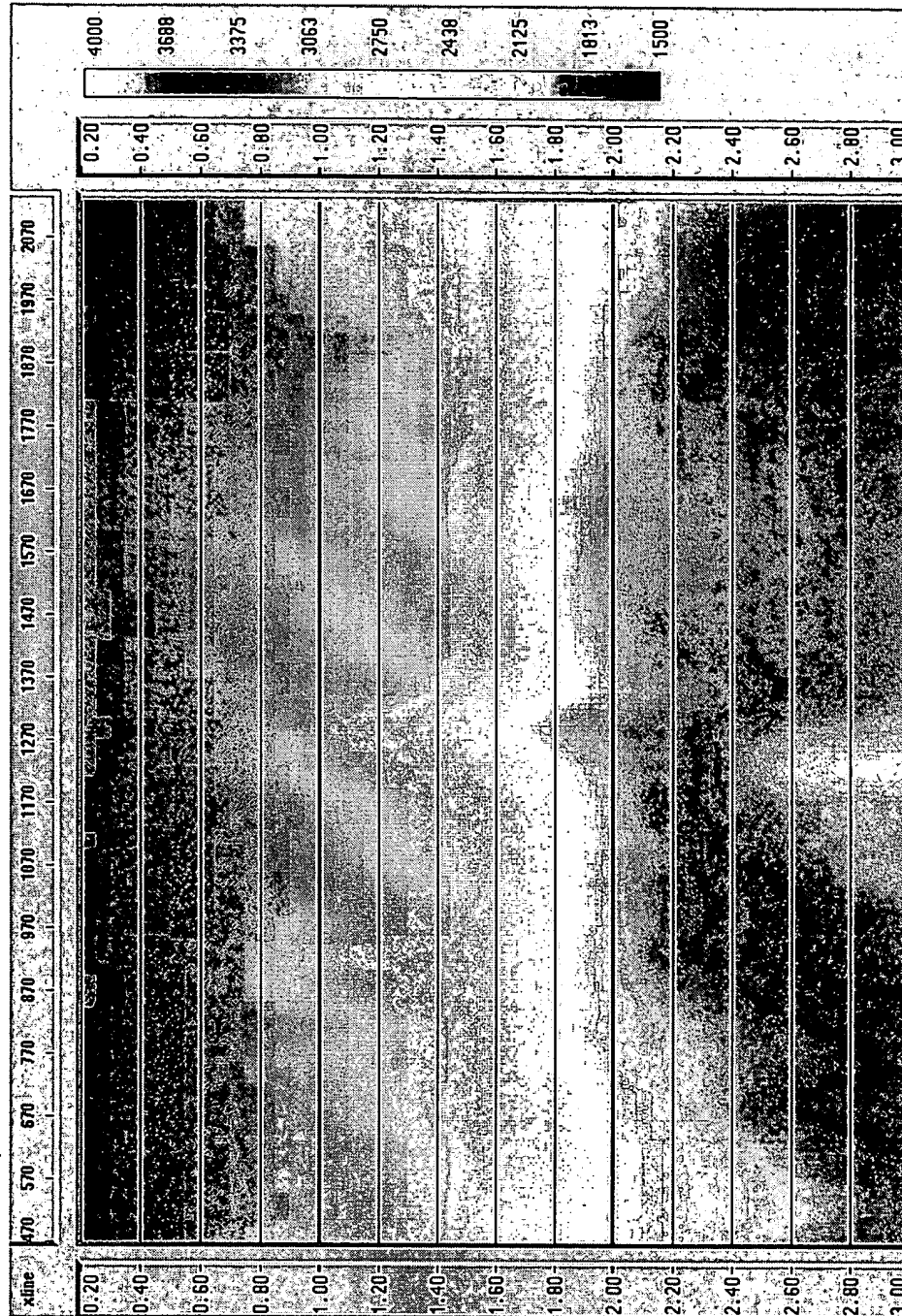


Fig. 5a: Input  $V_{nmo}(t_0)$

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Fig. 5b: Output  $V_{int}(d)$

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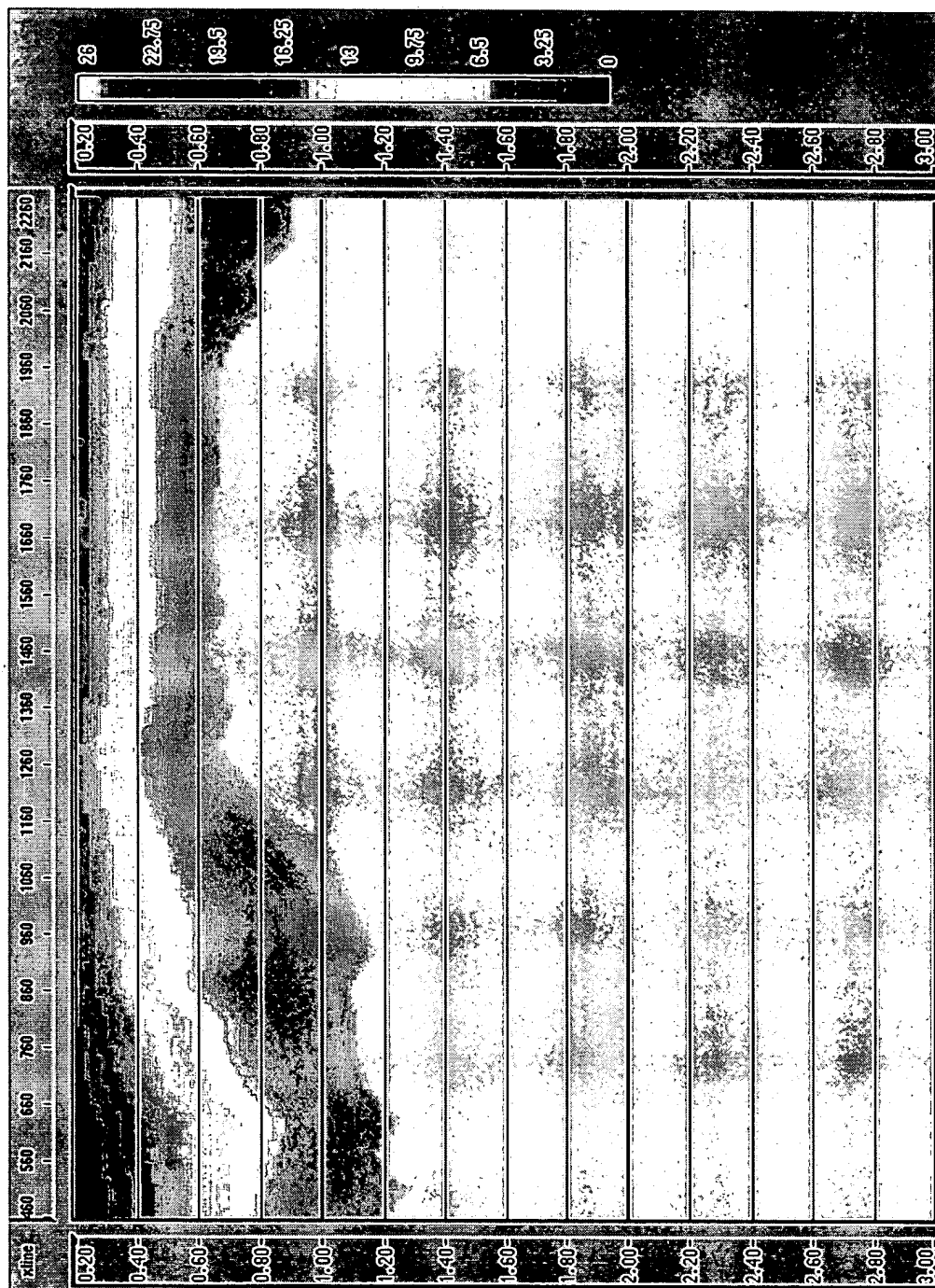


Fig. 6a: Input  $\eta_a(t_0)$



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Fig. 6b: Output  $\eta_{\text{int}}(d)$



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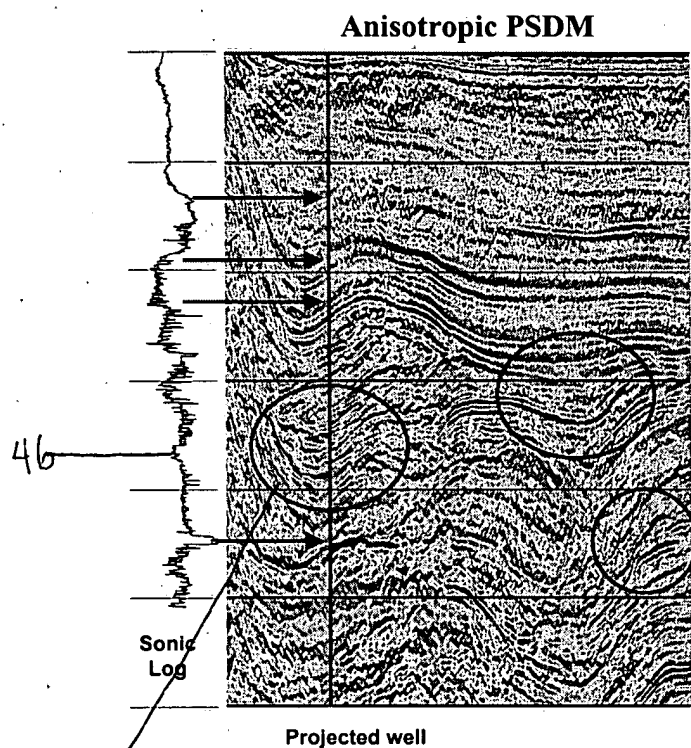


FIG 7a: Anisotropic PSDM image generated using the interval velocity and anelliptical parameter obtained with the DLS approach.

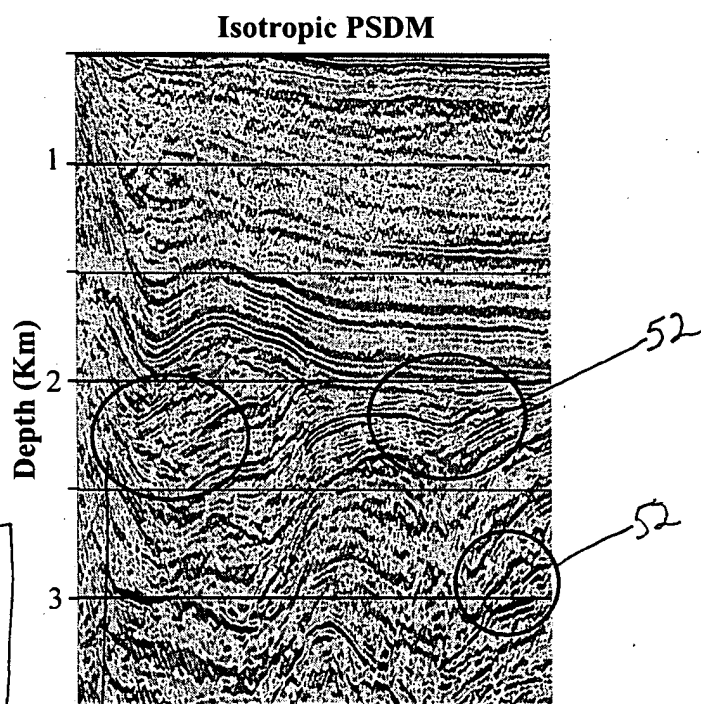


FIG 7b: Isotropic PSDM image generated using the interval velocity obtained with the Dix equation.

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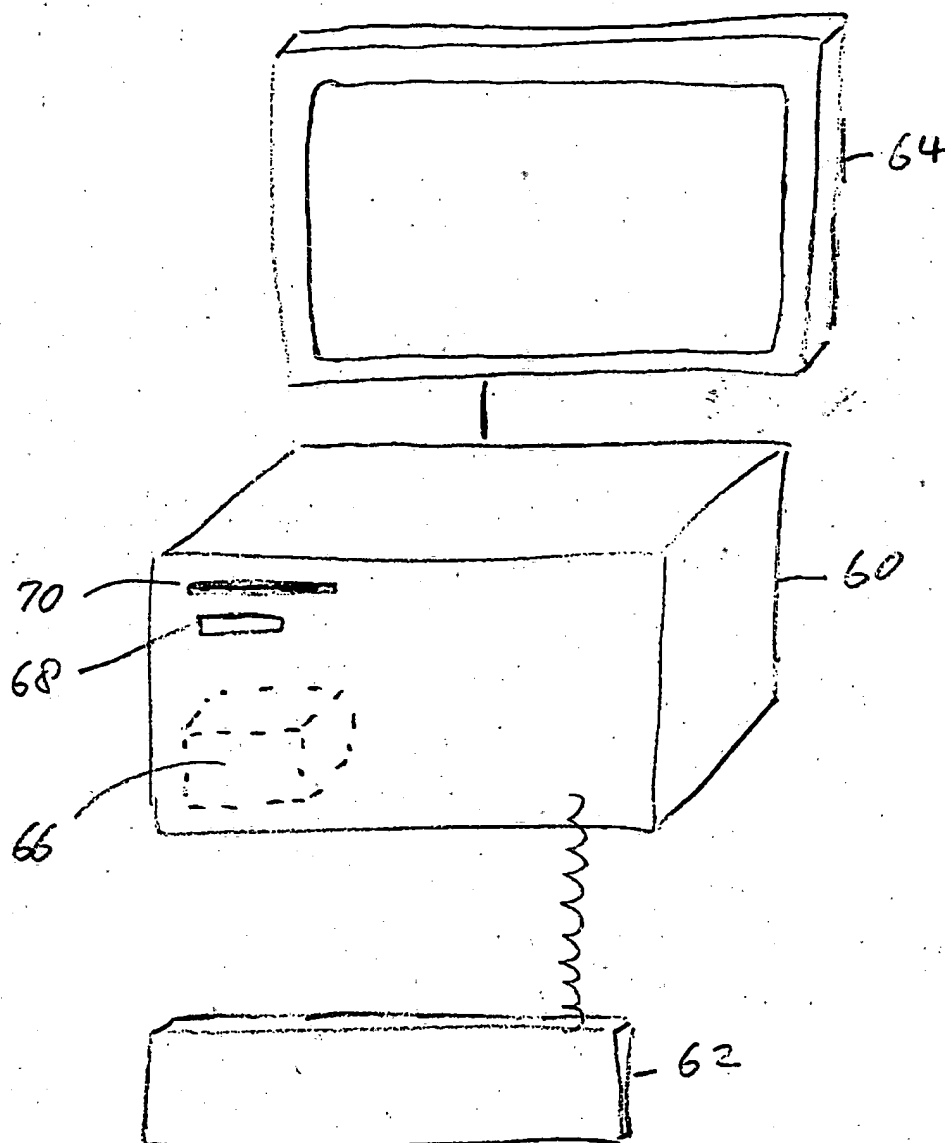


FIG 8